

Application No. 10/727,246
April 20, 2005
Amendment responsive to Office Action of December 10, 2005

In the Claims:

Please amend the claims as indicated below:

1.(currently amended) A latch assembly control method, comprising the steps of:

integrating a latch assembly with a motor having at least one gear thereof for actuating a plurality of components of said latch assembly; and

associating a geartooth sensor with said latch assembly, wherein said geartooth sensor senses a position of said at least one gear, wherein said at least one gear completes less than one revolution ~~to thereby provide a known reference point registration and calibration of said latch assembly via data collected from said geartooth sensor.~~

3.(currently amended) The method of claim 1 ~~wherein said latch assembly comprises a vehicle door latch assembly~~further comprising the step of providing the latch assembly in a vehicle door.

7.(currently amended) The method of claim 1 further comprising the step of calibrating via, ~~said~~ a vehicle management module, at least one component of said door latch assembly based on data collected from said geartooth sensor.

9.(currently amended) The method of claim 5 further comprising the step of actuating at least one component of said door latch assembly utilizing said vehicle management module based on data collected from ~~said~~ a plurality of geartooth sensor.

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11.(currently amended) A latch assembly control system, comprising:

a latch assembly integrated with a motor having at least one gear thereof for actuating a plurality of components of said latch assembly; and

a gteeth sensor associated with said latch assembly, wherein said gteeth sensor senses a position of said at least one gear, wherein said at least one gear completes less than one revolution to thereby provide a known reference point registration and calibration of said latch assembly via data collected from said gteeth sensor.